

# **CERES DMT to DAAC Production Requests YEAR 2000**

**by**

**CERES Data Management Team**

Radiation and Aerosols Branch  
Atmospheric Sciences Research  
NASA Langley Research Center  
Hampton, VA 23681-2199

Science Applications International Corporation (SAIC)  
One Enterprise Parkway  
Hampton, Virginia 23666

posted at: <http://asd-www.larc.nasa.gov/ceres/dmt2daac/>

## Document Revision Record

Issue Date	Release Number	DCCR <sup>a</sup> Number	Prepared <sup>b</sup> by	Description of Revision	Section <sup>c</sup> Affected
11/02/00	R3V8		ebg	SS1, SS2-3 deliveries 10/18/00 requests reorganized	T1:63-71, T3:P8
10/25/00	R3V7		mvm	SS4, SS4.5, SS12 deliveries	T1: 54-62, T4:28
1. 8/24/00 2. 8/28/00 3. 8/31/00	R3V6	tbd	mvm	2 new CERESlib deliveries, special SS1, SS2 production, new SS2 & SS4 delivery/production pending	1. T1: 33-53, T2: P2, T3: P4, T4: 26, 27 2. updated T1:36, T1: 40-53 on hold 3. T1: 40-53 in effect
8/9/00	R3V5	tbd	mvm	SW delivery for SS1, reprocess Terra instruments	T1: 29-32, T3: 1-2
8/3/00	R3V4	tbd	mvm	process all Terra days for SS1 starting w/ July that have not received eph/att. data	T1-27, 28
7/11/00	R3V3	tbd	mvm	SW delivery for CERESlib, SS1, & SS12	T1-25, 26 ,T4-25
06/26/00 06/23/00	R3V2	tbd	mvm	Process SS12 for 9/98 and 10/98 - correction to: <del>Process SS12 for 12/97 and 9/98</del>	T1-24
06/20/00	R3V1	tbd	mvm	Upgrade to Samantha request	T4-24

a. Document Configuration Change Request Number

b. Prepared by: mvm - Maria V. Mitchum, NASA, ebg - Erika Geier, NASA

c. Indicate: Table#-Item#

## **CERES DMT to DAAC Production Requests, YEAR 2000**

**This set of tables serves as a format for requesting production activities from the CERES Data Management Team (DMT) to the Langley TRMM/Terra Information System (LaTIS). The organization of the requests is as follows:**

- CERES Data Processing Policy
- Table 1: CERES Production Requests, YEAR 2000
- Table 2: CERES Standing TRMM Production Requests, YEAR 2000
- Table 3: CERES Standing Terra Production Requests, YEAR 2000
- Table 4: Production Requests effecting all Satellites and all PGEs
- Table 5: Special Processing Exceptions

A Change bar (|) is used, on left side of document, to indicate changes since the last request.

Note: Shaded boxes are completed Production Requests. All CERES Processing Requests should be referenced as: CER-PR'Table#-Item#', example: CER-PR3-3-99 is Item 3 from Table 3, year 1999.

### **CERES Data Processing Policy**

**A Data Month must be processed with a unique Software Code. If an emergency Software Code Fix must be made in the middle of a processing month, all days previously processed must be reprocessed to maintain consistency of the data.**

## B. CERES Production Requests, YEAR 2000

Note: Processing Priorities (Column 2), within a processing request, will be determined at time of Production Request submission to the DAAC. RP = Runtime Parameter.

**Table 1: Production Request (PR) for CERES Instruments (INST) Processing**

PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
11/01/00 <b>SW Request (65-71) Promote Instrument</b> (65-66) <b>and ERBE-like</b> (67-71) into production for Terra processing, use CERESlib 20000821. <b>Description:</b> Instrument <i>scnr</i> 228 , ERBElke <i>scnr</i> 230 <b>Processing:</b> process standing Terra requests (P3 and P4) and reprocess old Terra data <b>Reprocessing Order:</b> <i>February - May 2000, September - October 2000, June - August 2000</i> This processing request is independent of all other processing requests. Priorities have been assigned relative to this request only.								cc1=017012 cc2_1=017014 cc2=018014 cc3=016014 cc3_2=015013
71-00	6	3.2P1	PFM+FM1 PFM+FM2 PFM+FM1+FM2	P3=Edition1	PS3_2=Edition1	3/00 3/00 3/00	3/00 3/00 3/00	
70-00	5	3.2P1	FM1+FM2	P3=Edition1	PS3_2=Edition1	3/00	10/00	
69-00	4	3.1P1	FM1, FM2	PS2=Edition1	PS3=Edition1	3/00 (see Reproces- ing Order)	10/00	
68-00	3	2.2P1 2.3P1 2.3P2	FM1, FM2	PS1=Edition1 PS2_1=NSIDC	PS2=Edition1	2/26/00 (see Reproces- ing Order)	10/31/00	
67-00	1	2.1P1	CERES		PS2_1=NSIDC	as needed		
66-00	2	1.2P1	FM1, FM2	(PS1=>)	PS1=Edition1	2/26/00 (see Reproces- ing Order)	10/31/00	
65-00	1	1.1P3	FM1, FM2		PS1=Edition1	2/1/00	10/31/00	

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PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
11/1/00 <b>SW Request (63-64)</b> Process Aug - Sept 2000 followed by Sept 1998 - April 1999 MOA 10/18/00 <b>SW Request (62)</b> Requests 62 - 64 are independent of each other and of all other requests. Only relative priority between MOA runs has been assigned. These runs are to be made as resources are available.								cc12=013016
64-00	c	12.1P1	CERES		PS12=ECMWF-GEOS2	9/98	4/99	
63-00	b	12.1P1	CERES		PS12=ECMWF-GEOS3	8/00	9/00	
62-00	a	12.1P1	CERES		PS12=ECMWF-GEOS3	2/25/00	3/31/00	
10/18/00 <b>SW Request (57, 60, &amp; 61)</b> Reprocess MOA (61-00) for remaining months through August 1998. As new MOA are available for a month, can begin processing Clouds and Inversion to produce hdf SSFs beginning with April '98. This request is independent of other requests ( <i>except 54-00</i> ). However, it has a lower priority than similar requests for 9 February (4-12) days.								cc12=013016 cc4_0=015011 cc4_1=015011 cc4_2=015011 cc4_3=015011 cc4_5=010008
60-00	3c	4.5-6P1	PFM	PS4_1=ValR5 PS12=ECMWF-GEOS2	PS4_5=ValR5	4/98	8/98 or until Edition1 promoted to production	
57-00	3b	4.1-4.2P1 4.1-4.1P1	PFM	PS1=Edition1 PS4_0=NSIDC PS12=ECMWF-GEOS2	PS4_1=ValR5	4/98	8/98 or until Edition1 promoted to production	
61-00	3a	12.1P1	CERES		PS12=ECMWF-GEOS2	2/98	8/98	
10/18/00 <b>SW Request (56, 59, &amp; 61)</b> <b>Promote MOA</b> SS12.0 SW into production, use CERESlib 20000821. <b>Description:</b> <i>sccr 229</i> Reprocess January 1998 MOA and then reprocess January '98 validation regions only (using VIRS subset files 1b01.9801DD.xxxx.5.HDF.Subset, where DD is day and xxxx is orbit number) through Clouds and Inversion to produce hdf SSFs. This request is independent of other requests ( <i>except 54-00</i> ). However, it has a lower priority than a similar requests for 9 February (4-12) days.								cc12=013016 cc4_0=015011 cc4_1=015011 cc4_2=015011 cc4_3=015011 cc4_5=010008

**Table 1: Production Request (PR) for CERES Instruments (INST) Processing**

PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
59-00	3c	4.5-6P1	PFM	PS4_1=Subset-ValR5 PS12=ECMWF-GEOS2	PS4_5=Subset-ValR5	1/98	1/98	
56-00	3b	4.1-4.2P1 4.1-4.1P1	PFM	PS1=Edition1 PS4_0=NSIDC PS12=ECMWF-GEOS2	PS4_1=Subset-ValR5	1/98	1/98	
61-00	3a	12.1P1	CERES		PS12=ECMWF-GEOS2	1/98	1/98	done 11/3/00
10/18/00 SW Request (55 & 58) <b>Promote Inversion</b> SS4.5 SW into production, use CERESlib 20000821. <b>Description:</b> <i>sccr 220, 219, 210, 200, 182, 170</i> Process 9 February days through Clouds and Inversion to produce hdf SSFs. This request is independent of all other requests ( <i>except 54-00</i> ) and has a high priority.								cc4_0=015011 cc4_1=015011 cc4_2=015011 cc4_3=015011 cc4_5=010008
58-00	2b	4.5-6P1	PFM	PS4_1=ValR5 PS12=ECMWF-GEOS2	PS4_5=ValR5	2/4/98	2/12/98	done 11/2/00
55-00	2a	4.1-4.2P1 4.1-4.1P1	PFM	PS1=Edition1 PS4_0=NSIDC PS12=ECMWF-GEOS2	PS4_1=ValR5	2/4/98	2/12/98	done 11/1/00
10/18/00 SW Request (54) <b>Promote new Clouds</b> SS4.0 SW into Production, use CERESlib 20000821. <b>Description:</b> <i>sccr 215, 214, 213, 183, 178</i> Process Snow and Ice maps for all 8 months of TRMM before running any other cloud code. <i>Subsystem 4 requests are dependent upon this request.</i>								cc4_0=015011 cc4_1=015011 cc4_2=015011 cc4_3=015011
54-00	1	4.1-4.0P1	CERES		PS4_0=NSIDC	1/98	8/98	done 10/28/00
8/31/00-8/18/00 SW Request (40-53): Promote new ERBE-like (SS2, SS3) SW into Production, use CERESlib 20000821. Reprocess TRMM (3/00) and Terra Data (3-4/00), Start processing Terra 5/00 to present datadate, see Table 2 (P2) and Table 3 (P4) <b>Description:</b> <i>1. Provided new day and night spectral correction coefficients for PFM, FM1, and FM2. 2. Modify ES4 gif file code (Generate Net, Longwave, and Shortwave Cloud Forcing plots based on ES-4 data.) (sccr 207)</i>								cc2_1=017014 cc2=018014 cc3=016014 cc3_2=016014 8/24/00: SSIT stopped 8/31/00 SSIT completed

**Table 1: Production Request (PR) for CERES Instruments (INST) Processing**

PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
53-00		3.2P1	PFM+FM1+FM2	PS3=Edition1	PS3_2=Edition1	3/00	3/00	request stopped 9/15/00
52-00		3.2P1	FM1+FM2	PS3=Edition1	PS3_2=Edition1	3/00	5/00	request stopped 9/15/00
51-00		3.2P1	PFM+FM2	PS3=Edition1	PS3_2=Edition1	3/00	4/00	request stopped 9/15/00
50-00		3.2P1	PFM+FM1	PS3=Edition1	PS3_2=Edition1	3/00	3/00	request stopped 9/15/00
49-00		3.1P1	FM1,FM2	PS2=Edition1	PS3=Edition1	3/00	5/00	request stopped 9/15/00
48-00		2.3P2	FM1,FM2	PS1=Edition1 PS2_1=NSIDC	PS2=Edition1	3/00	5/00	request stopped 9/15/00
47-00		2.3P1	FM1,FM2	PS1=Edition1 PS2_1=NSIDC	PS2=Edition1	3/00	5/00	request stopped 9/15/00
46-00		2.2P1	FM1,FM2	PS1=Edition1 PS2_1=NSIDC	PS2=Edition1	2/26/00	To present - when data is available	
45-00	5	3.1P1	PFM	PS2=Edition1	PS3=Edition1	3/00	3/00	done 10/20/00
44-00	4	2.3P2	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition1	3/00	3/00	done 10/20/00
43-00	3	2.3P1	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition1	3/00	3/00	done 10/20/00
42-00	2	2.2P1	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition1	2/24/00	4/00	done 10/20/00
41-00		2.1P1	CERES		PS2_1=NSIDC	3/00	on-going	on-going

**Table 1: Production Request (PR) for CERES Instruments (INST) Processing**

PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
40-00	P2 P4	Apply ccodes {cc2, cc2_1, cc3} to Table 2 Standing Requests (P2) & Table 3 Standing Requests (P4)						
8/28/00 <b>Request 36:</b> Updated - added Item 3. <i>Description:</i> Process all June, 2000 PRES8 for PS1='Alpha' for PGE: CER2.2P1. 8/24/00 <b>Request (35-39)</b> Process SS2/3 ERBELike for Terra. <i>Description:</i> Special request via email from Erika Geier and Bruce Wielicki. 8/24/00								cc2_1=016013 cc2=017013 cc3=015013
39-00	7	3.1P1	FM1,FM2	PS2=Beta	PS3=Beta	month: 5/00		done 8/26/00
38-00	6	2.3P2	FM1,FM2	PS1=Alpha PS2_1=NSIDC	PS2=Beta	month: 5/00		done 8/26/00
37-00	5	2.3P1	FM1,FM2	PS1=Alpha PS2_1=NSIDC	PS2=Beta	month: 5/00		done 8/26/00
36-00	4	2.2P1	FM1,FM2	PS1=Alpha PS2_1=NSIDC	PS2=Beta	1. month: 5/00 2. 6/30/00, 7/1-3/00 3. month 6/00	1. 5/31/00	done:#1,#2 8/26/00 3. done 8/30/00
35-00	3	2.1P1	CERES		PS2_1=NSIDC	5/00	7/00	done 8/26/00
8/24/00 <b>Request (33-34):</b> Process SS1 for Terra. <i>Description:</i> Special request via email from Erika Geier and Bruce Wielicki. 8/24/00								cc1 = 016011
34-00	2	1.2P1	FM1, FM2	(PS1=>)	PS1='Alpha'	1. 7/3/00 2. run 7/2/00 when all data is available		done 8/26/00
33-00	1	1.1P3	FM1, FM2		PS1='Alpha'	1. 7/3/00 2. run 7/2/00 when all data is available		done 8/26/00

**Table 1: Production Request (PR) for CERES Instruments (INST) Processing**

PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
8/9/00 - <b>SW Request (29-32):</b> Promote SS1 into production, use CERESlib 20000623. Reprocess Terra data starting with March, April, Jan. Feb. May, 2000 and the months thereafter. <i><b>Description:</b> 1) Fix reading of first packet of Level-0 data, this packet was previously skipped. 2) Add code to check for crosstalk between the radiance channels, return a 16-bit fill value for corresponding channels whenever crosstalk is detected. 3) Add new SDSs to the BDS: Time-Ordered analog parameters, and Drift corrected counts for each channel. 4) Fix the BDS Conversion to Pre-ES8 to not pass on records where the spacecraft location has been set to a fill-value due to problems with the ephemeris/attitude data files. 5) Update Edit limits for radiance count conversion and instrument housekeeping calculations. 6) Change Terra count conversion offsets from all zeros to ground determine values, since no deep space calibration has been preformed. (sccr 208)</i>								cc1 = 016011
32-00	3	1.2P1	FM1, FM2	(PS1=>)	PS1='Edition1'	3/00, 4/00, 1/00, 2/00, 5/00, etc.	on-going	on-going
31-00	2	1.1P3	FM1, FM2		PS1='Edition1'	3/00, 4/00. 1/00, 2/00, 5/00, etc.	on-going	on-going
30-00	1	1.1P3	FM1, FM2		PS1='Ed1-QC' RP:-pge Instrument_Only	on-going		on-going
29-00	<b>P1 P3</b>	<b>Apply ccode {cc1} to Table 2 Standing Requests (P1) &amp; Table 3 Standing Requests (P3) See Table 3, PS1='Edition1'</b>						
8/3/00 <b>Request (27-28):</b> SS1 Terra - process the datadates that have NOT been processed in the month of July 2000, to present datadate, using Orbsim. <i><b>Description:</b> Need instrument information to look at covers anamoly. Phil Hess request</i>								cc1=015011 July done, on-going daily
28-00	2	1.1P3	FM2		PS1='Alpha-QC' RP:-pge Instrument_Only	July,2000	TBD	8/9/00: replaced by 30-00
27-00	1	1.1P3	FM1		PS1='Alpha-QC' RP:-pge Instrument_Only	July,2000	TBD	8/9/00: replaced by 30-00
7/11/00 - <b>SW Request (26):</b> Promote SS12 into Production. <i><b>Description:</b> Enabled RegridMOA to process variable number of ECMWF vertical profile levels. Added new MOA grid index. Correction to MOA_Open_Wrapper_Alt routine (This change affects CERESlib) (sccr 209)</i>								cc12=012015
7/11/00 - <b>SW Request (25):</b> Promote SS1 into production, use CERESlib 20000623. <i><b>Description:</b> EMERGENCY Delivery to allow SS1 to work with the new Ada95 compiler under the new operating system on samantha. (sccr 211)</i>								cc1=015011

**Table 1: Production Request (PR) for CERES Instruments (INST) Processing**

PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
25-00	P1 P3	Apply ccode {cc1} to Table 2 Standing Requests (P1) & Table 3 Standing Requests (P3)						
6/26/00 <b>Request (24):</b> Process RegridMOA for Sept. and Oct. 1998. <del>6/23/00 Request (24): Process RegridMOA for Dec. 1997 and Sept. 1998.</del> Contact MR. Spangenberg (827-4647) when complete. <i><b>Description:</b> Pat Minnis wants us to run a years worth of cloud detection for the SHEBA/FIRE ACE mission, and we need the ECMWF data to do the cloud mask. Requested by: DOUGLAS SPANGENBERG, AS&amp;M, email 6/23/00</i>								cc12=011014 6/26/00: DAO-GEOS2 not avail. at DAAC for 12/97
24-00	1	12.1P1	CERES		PS12=ECMWF-GEOS2	42/97, 9/98, 10/98		done 6/28/00
4/25/00 <b>SW Request (23):</b> Promote Regrid MOA SW, SS12, into production using CERESlib (version 20000309). <i><b>Description:</b> Divided moa_io module into smaller modules. Added additional routines for accessing skin temperatures from MOA files. Introduced MOA_Open_Wrapper_Alt routine. (sccr 205) Requestor: Erika Geier.</i>								cc12=011014
23-00	1	12.1P1	CERES		PS12=ECMWF-GEOS2	3/99	3/99	done 4/27/00
4/13/00 <b>Request (21-22):</b> Reprocess ERBE-like, SS2, TRMM data for the Transient-Ops2 data days. <i><b>Note: This request supersedes Request (52-54/99).</b></i>								Replace PR(52-54/99) cc2=017013 cc2_1=016013
22-00	6	2.2P1	PFM	PS1=Transient-Ops2 PS2_1=NSIDC	PS2=Transient-Ops2	same as 18-00		done 4/28/00
21-00	5	2.1P1	CERES		PS2_1=NSIDC	Sept.1998. In 1999: Jan, March, April, May, June, July		done 4/28/00
4/13/00 <b>SW Request (19-20):</b> Reprocess Instrument, SS1, TRMM data for the Transient-Ops data days. See Archive Request Form: CER-AR-2-18, prior to reprocessing. <i><b>Note: This request supersedes Request (50-51/99).</b></i>								Replace PR(50-51/99) cc1=014010
20-00	4	1.2P1	PFM	(PS1=>)	PS1=Transient-Ops2	same as 18-00		done 4/28/00
19-00	3	1.1P1	PFM		PS1=Transient-Ops2	same as 18-00		done 4/28/00

**Table 1: Production Request (PR) for CERES Instruments (INST) Processing**

PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
4/13/00 <b>Request (18):</b> Reprocess TRMM DPREP using the 'First Day' mode. See Archive Request Form: CER-AR-2-17, prior to reprocessing. <b>Description:</b> "Since DPREP deletes 180 records from the Attitude data when in Mid-Mission mode and the ToolKit does not handle the time gap that it creates." D. Cooper 3/29/00								
18-00	2	0.1P1	PFM(DPREP)	n/a	n/a	Sept.1,1998. In 1999: Jan. 19-22, March, April 1, May 17, 18, June 19, 21, 23, 25-30, July 1-5, 13-17		done 4/28/00
4/13/00 <b>Request (17) - Standing Request (P2), Table 2: TRMM Processing Request:</b> ERBE-like, SS2, SS3 Terra Data Processing. <b>Description:</b> On March 31, 2000 an email was sent to the LaTIS system delaying the SS2/SS3 processing for TRMM data for the month of March, 2000. This delay is now being rescinded.								cc2=017013 cc2_1=016013 cc3=015013
17-00	2-P2	see Table 2				3/00		done 4/15/00
4/13/00 <b>Request (16) - Standing Request (P4), Table 3: Terra Processing Request:</b> ERBE-like, SS2, SS3 Terra Data Processing. <b>Description:</b> On March 31, 2000 an email was sent to the LaTIS system delaying the SS2/SS3 processing for Terra data for the month of March, 2000. This delay is now being rescinded.								cc2=017013 cc2_1=016013 cc3=015013
16-00	1-P4	see Table 3				3/00		done 4/14/00
<del>4/1/00 <b>Request (15):</b> Reprocess TRMM DPREP using the 'First Day' mode. <b>Description:</b> "Since DPREP deletes 180 records from the Attitude data when in Mid-Mission mode and the ToolKit does not handle the time gap that it creates." D. Cooper 3/29/00</del>								Request cancelled by DMT 4/12/00
15-00	6	0.1P1	PFM(DPREP)	n/a	n/a	2/24/00	3/27/00	
4/1/00 <b>SW Request (9-14):</b> Promote new ERBE-like (SS2, SS3) SW into Production. Reprocess TRMM Data. <b>Description:</b> Modified TROPICAL MODEL CONSTANTS for TRMM and Terra. SI Spectral Correction code updated to apply 2nd order polynomial fits for the window channel and for shortwave cloudy cases, and to perform interpolation of unfiltered radiances.(sccr 203) <b>Note: This request supersedes Request (3-7).</b>								Replace PR(3-7) cc2=017013 cc2_1=016013 cc3=015013 cc3_2=015013
14-00	5	3.1P1	PFM	PS2=Edition2	PS3=Edition2	1/98	8/98	done 4/10/00

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PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
13-00	4	2.3P2	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition2	1/98	8/98	done 4/10/00
12-00	3	2.3P1	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition2	1/98	8/98	done 4/10/00
11-00	2	2.2P1	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition2	1/98	8/98	done 4/10/00
10-00	1	2.1P1	CERES		PS2_1=NSIDC	1/98	8/98	done 4/10/00
9-00	P2 P4	Apply ccodes {cc2, cc2_1, cc3} to Table 2 Standing Requests (P2) & Table 3 Standing Requests (P4)						
2/8/00 <b>SW Request (8):</b> Promote: SS12, Regridmoa SW into production, using CERESlib version 20000207. Reference CERES Archive Requests, CER-AR-8, for file removal instructions prior to processing. <i><b>Description:</b> Introduced DAS-GEOS3 as alternate data source (see SCCR 185). Implemented corrections to ECMWF skin temperature processing. (sccr 193)</i>								SW promoted: 2/29/00 cc12=010012
8-00	6	12.1P1	CERES		PS12=ECMWF-GEOS2	1/98	8/98	Start with 7/98, 1/98, then 2-8/98 done 3/8/00
2/8/00 <b>Request(3-7):</b> ERBE-like (SS2, SS3) TRMM Data Reprocessing. <i><b>Description:</b> Use Request (2), 2/22/00, (<del>2/17/00</del>, <del>2/8/00</del>) SS2, SS3 Delivery. (sccr 192, 196, 197)</i>								4/1/00Replaced by PR (9-14) cc2=016012 cc2_1=015012 cc3=014012
7-00	5	3.1P1	PFM	PS2=Edition2	PS3=Edition2	1/98	8/98	done 3/21/00
6-00	4	2.3P2	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition2	1/98	8/98	done 3/13/00
5-00	3	2.3P1	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition2	1/98	8/98	done 3/13/00
4-00	2	2.2P1	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition2	1/98	8/98	done 3/13/00

**Table 1: Production Request (PR) for CERES Instruments (INST) Processing**

PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
3-00	1	2.1P1	CERES		PS2_1=NSIDC	1/98	8/98	done 3/13/00
<p>2/22/00 <b>SW Request(2):</b> Promote new ERBE-like (SS2, SS3) SW into Production. <b>Description:</b> 1. Changed Automatic QA quality flag value from "Suspect" to "Passed" for all successfully created ERBE-like metadata 2. Modified CER2.3P1 and CER2.3P2 scripts to remove references to environment variables, PS2, SS2 and CC2. 3. Modified CER2.1 IDL code and scripts to allow multiple Subsystem 2.1 jobs to be run at the same time. 4. Changed the SDS unit attributes with "number of days" and "number of hours" to "days" and "hours" respectively. This change will also be reflected in the ES-4 and ES-9 Collection Guides.(sccr 197)</p> <p><del>2/17/00 <b>SW Request:</b> Promote new ERBE-like (SS2, SS3) SW into Production. <b>Description:</b> New ancillary files: ceres_SI_PFM_night.20000217 and ceres_SI_PFM_day.20000217, New spectral correction coefficients for PFM, and Updates to PCF generators to identify new ancillary input file names and to use PS2_1 and CC2_1 environment variables. (sccr 196)</del></p> <p><del>2/8/00 <b>SW Request:</b> Promote new ERBE-like (SS2, SS3) SW into Production. <b>Description:</b> 1. Added New Slope Intercept Spectral Correction method in SS2 code. 2. Provided New day and night spectral correction coefficients for PFM, FM1 and FM2. 3. Added new environment variables, PS2_1 and CC2_1. (sccr 192)</del></p>								SW promoted: 2/29/00 cc2=016012 cc2_1=015012 cc3=014012 new SW delivery 3/30/00
2-00	P2 P4	Apply ccodes {cc2, cc2_1, cc3} to Table 2 Standing Requests (P2) & Table 3 Standing Requests (P4)						
2/8/00 <b>SW Request(1):</b> Begin SS1 processing of Instrument data using resident production code. <i>Description: See CER-PR-1-52-99</i>								cc1=014010
1-00	P1 P3	Apply ccode {cc1} to Table 2 Standing Requests (P1) & Table 3 Standing Requests (P3)						
12/15/99 <b>Request (52-54):</b> Process ERBE-like, SS2, for Transient-Ops2 data. <b>Description:</b> Instrument SS1 Processors corrected data flag for the radiance drop-outs								Replaced by PR (21-22/00) cc2=011004
54-99	5	2.3P1	PFM	(PS2=>)	PS2=Transient-Ops2	same as 50-99		done 12/23/99
53-99	4	2.2P2	PFM	(PS2=>) PS1=Transient-Ops2	PS2=Transient-Ops2	same as 50-99		done 12/23/99
52-99	3	2.1P1	CERES		PS2=Transient-Ops2	Sept.1998. In 1999: Jan, March, April, May, June, July		done 12/23/99

**Table 1: Production Request (PR) for CERES Instruments (INST) Processing**

PR Date & Item_#	Prior ity	PGEs	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
12/15/99 <b>SW Request (50-51):</b> Promote Instrument SS1 Subsystem into Production. <i>Description: 1) Add new coefficients for Blackbody temperature conversions. 2) Update Instrument code to support Terra, 3) corrected data flag for the radiance drop-outs.(sccr: 151, 175, 181)</i>								Replaced by PR (19-20/00) cc1=014010
51-99	2	1.2P1	PFM	(PS1=>)	PS1=Transient-Ops2	same as 50-99		done 12/23/99
50-99	1	1.1P1	PFM		PS1=Transient-Ops2	Sept.1,1998. In 1999: Jan. 19-22, March, April1, May 17, 18, June 19, 21, 23, 25-30, July 1-5, 13-17		done 12/23/99
11/18/99 <b>SW Request (49):</b> Promote: SS12, Regridmoa SW into production, using CERESlib (version 19991104). <i>Description: Test the higher resolution ECMWF meteorological data (sccr 169, 172)</i>								cc12=009010
49-99	1	12.1P1	CERES		PS12=ECMWF-GEOS2	1/98	1/98	done 11/22/99

## C. CERES TRMM Standing Processing Requests, YEAR 2000

**Standing Processing Request (P1) - Process Instrument Subsystem (SS1) daily - to be followed by Standing Processing Request (P2) - ERBE-like processors (SS2, SS3)**

**Table 2: Standing Production Request (PR) for CERES Instrument (TRMM) Processing**

PR Date & Item_#	Prior ity	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
8/18/00 <b>Update Standing Request (P2):</b> Updated PS2 and PS3 values from 'Beta' to 'Edition1' 4/13/00 <b>Update Standing Request (P2):</b> Updated PS2 and PS3 values from 'Edition2' to 'Beta'. <del>2/8/00</del> <b>Standing Request (P2): Restart TRMM Processing Request:</b> ERBE-like (SS2, SS3) restart TRMM Data Processing. <i>Note: All Processing using simulated snow data, will be use the PS value appended with '-QC', such as 'Alpha-QC'</i>								use latest ccodes {cc2, cc2_1, cc3} from Table 1
7-00	P2-5	3.1P1	PFM	PS2=Edition1 PS2=Beta	PS3=Edition1 PS3=Beta	3/00		
6-00	P2-4	2.3P2	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition1 PS2=Beta	3/00		
5-00	P2-3	2.3P1	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition1 PS2=Beta	3/00		
4-00	P2-2	2.2P1	PFM	PS1=Edition1 PS2_1=NSIDC	PS2=Edition1 PS2=Beta	2/24/00		
3-00	P2-1	2.1P1	CERES		PS2_1=NSIDC	3/00		
2/8/00: <b>Standing Request (P1): Restart TRMM Instrument SS1 {PFM} Processing Request.</b> <i>Note: All Processing using simulated ephemeris data, will be use the PS value appended with '-QC', such as 'Alpha-QC'. These data sets should be deleted when reprocessed with real ephemeris data.</i>								use latest ccode {cc1} from Table 1
2-00	P1-2	1.2P1	PFM		PS1=Edition1	2/24/00		
1-00	P1-1	1.1P1	PFM		PS1=Edition1	2/24/00		

## D. CERES Standing Terra Production Requests, YEAR 2000

**Standing Processing Request (P3) - Process Instrument Subsystem (SS1) daily - to be followed by  
Standing Processing Request (P4) - ERBE-like processors (SS2, SS3)**

**Table 3: Standing Production Request (PR) for CERES Instrument (Terra) Processing**

PR Date & Item_#	Prior ity	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
11/1/00 <b>Update Standing Request (P4):</b> Added PR 8-00 (multi-instrument processing for Terra) 8/18/00 <b>Update Standing Request (P4):</b> Updated PS2 and PS3 values from 'Beta' to 'Edition1', Use PS1 = 'Edition1' 4/13/00 <b>Update Standing Request (P4):</b> Updated PS2 and PS3 values from 'Alpha' to 'Beta'. 2/8/00 <b>Standing Request (P4): Initial Terra Processing Request:</b> ERBE-like, SS2, SS3 begin Terra Data Processing. <i>Note: All Processing using simulated snow data, will be use the PS value appended with '-QC', such as 'Alpha-QC'.</i>								use latest ccodes {cc2, cc2_1, cc3} from Table 1
8-00	P4-6	3.2P1	FM1+FM2	PS3=Edition1	PS3_2=Edition1	3/00		
7-00	P4-5	3.1P1	FM1,FM2	PS2=Edition1	PS3=Edition1	3/00		
6-00	P4-4	2.3P2	FM1,FM2	(PS2=>) PS2_1=NSIDC PS1=Edition1	PS2=Edition1	3/00		
5-00	P4-3	2.3P1	FM1,FM2	(PS2=>) PS2_1=NSIDC PS1=Edition1	PS2=Edition1	3/00		
4-00	P4-2	2.2P1	FM1,FM2	(PS2=>) PS2_1=NSIDC PS1=Edition1	PS2=Edition1	2/26/00		
3-00	P4-1	2.1P1	CERES		PS2_1=NSIDC	3/00		
8/9/00: Use PS1 = 'Edition1' 2/8/00: <b>Standing Request (P3): Initial Terra Instrument SS1 {FM1, FM2} Processing Request.</b> <i>Note: All Processing using simulated ephemeris data, will be use the PS value appended with '-QC', such as 'Alpha-QC'. These data sets should be deleted when reprocessed with real ephemeris data.</i>								use latest ccode {cc1} from Table 1
2-00	P3-2	1.2P1	FM1,FM2	(PS1=>)	PS1='Edition1' PS1=Alpha	12/18/99		

**Table 3: Standing Production Request (PR) for CERES Instrument (Terra) Processing**

PR Date & Item_#	Priority	PGE	Instrument (INST)	Input Production Strategy	Output Production Strategy	Begin Datadate to process	End Datadate to process	DAAC Verification
1-00	P3-1	1.1P3	FM1,FM2		PS1 = 'Edition1' PS1=Alpha	12/18/99		

**E. Production Requests Effecting all CERES PGEs****Table 4: General CERES PGE-Related Requests**

Item	Start Date/ Priority	Processing Request	Description	DAAC Verification
28	10/24/00	Install R12000 chips in samantha		done 10/12/00
27	8/24/00	Promote CERESlib (version 20000821) into Production	CERESlib SCCRs: 219, 221, and 222 219: surf_lw_model_b.f90, surf_typdef.f90, surf_lw_model_b.README, surf_typdef.README modules modified. 221: ggeo.f90 and ggeo_file.f90 modified 222: c_getenv.c corrected	done 8/23/00
26	8/9/00	Promote CERESlib (version 20000801) into Production	CERESlib sccr 218 includes: sccr #s: 210, 213, 214, 217 210: SSF_typdef.f90 module updated. 213: cloudParam.f90 - Added to data_products library 214: imager_cal_data.f90 - added, read_ies.f90 - modified, ssfqc_typedef.f90 - modified 217: ceres_valregions.f90 - Modified validation regions	done 8/9/00

**Table 4: General CERES PGE-Related Requests**

Item	Start Date/ Priority	Processing Request	Description	DAAC Verification
25	7/11/00	Promote CERESlib (version 20000623) into Production	1. grid_routines.f90: (J.Stassi) Increased precision for region_number() function by using fact that all region borders line up along integer longitude and colatitude lines.2. io.f90, meta_param.f90: (N.McKoy) Changed MAX_NUM_FILES and MAX_input from 800 to 3720.3. moa_io_read.f90, moa_io_def.f90: (see SCCR #209)4.msg.f90: (E.Kizer) Added optional parameter, MsgNum, to WriteReport() subroutine. (sccr 212)	done 7/3/00
24	6/20/00	<b>Requested by 6/26/00:</b> Upgrades on samantha: 1> OS - IRIX64 6.5.7m, 2> F90 - 7.3.1.1m, 3> Ada95, 1.3 4> TK 5.2.6v1	Upgrades needed for new set of Release 3 CERES Sub-system deliveries to the DAAC.	done 6/22/00
23	4/25/00	Promote CERESlib (version 20000309) into Production	CERESlib (sccr 206) composite for: SSF typedef modified: Includes 3 new parameters: mean phase for 1.6um, mean water particle radius for 1.6um, and mean ice particle diameter for 1.6um. Removed 1 parameter: stddev of particle phase (sccr 200) Added optional parameter, add_meta, to the OpenFile() subroutine, Added optional parameter, incPath, to the GetFileName() subroutine (sccr 202) Introduced MOA_Open_Wrapper_Alt routine (sccr 205)	done 4/21/00
23	3/28/00	Modify TRMM DPREP to run with First Day mode option.	Mid-Mission mode has caused us to lose the first minute of geolocation for every data date. D. Cooper 03/27/00	done 3/28/00
22	2/29/00	Promote CERESlib (version 20000223) into Production	Included new regions in CERESlib Module ceres_valregions.f90. Added 19 new regions around Taiwan and Mexico to the CERES validation region list. (sccr 198)	done 3/21/00

**Table 4: General CERES PGE-Related Requests**

<b>Item</b>	<b>Start Date/ Priority</b>	<b>Processing Request</b>	<b>Description</b>	<b>DAAC Verification</b>
21	2/8/00	Promote CERESlib (version 20000207) into Production	Modify the ggeo.f90 and ggeo_file.f90 modules in CERESlib so that during post-processing, the first 28 zones and last 28 zones are excluded from the GGEO output file. sccr(191) Modifying the ceres_valregions and ValReg_Util modules to reference the CERES nested grid instead of the uniform 1-deg grid. sccr(194)	done 2/28/00
20	11/18/99	Promote CERESlib (version 19991104) into Production	Accumulation of the following SCCRs: 170, 172, 173, 176, 177, 178 Impact : SS: 12, 4, 4.4, - 4.6, 5, PMOA, 7.2, 9 (sccr 179)	done 11/18/99
1-19		See Production Requests for year 1999		

**F. Special Processing Exceptions** - this table is used to record exceptions to CERES Production Processing.

**Table 5: Processing Exceptions**

Item	Date	Instrument (INST)	Processors	DataDate Exception	Explanation
3 done 6/25/98	6/18/98 <b>Priority 3</b> <b>6/18/98</b>	PFM	CER1.1P1	5/21-28/98	Remove all CER1.1P1 files for the DataDate Exceptions from local disk and from archives. Rerun these days with the new SS1 delivered SW, see CER-PR3-24, prior to CM integration. Reason: Correct runs made with simulated data (UTCPole)
2 done 6/25/98	6/18/98 <b>Priority 2</b> <b>6/18/98</b>	PFM	CER1.1P1	4/23, 5/8, 5/23, 6/7, 6/23, 1998	Remove all CER1.1P1 files for the DataDate Exceptions from local disk and from archives. Rerun these days with the new SS1 delivered SW, see CER-PR3-23, prior to CM integration. Reason: Special processing for the Alongtrack Days.
1	5/11/98	PFM	Eliminate ALL PGEs except: CER1.1P1, for CER4.1-4.1P1, & CER4.1-4.2P1 Do Hrs{0..11}	Jan. 7-8, 1998	On Thur. May 7, 1998, at the ERBElke Working Group meeting, it was announced that all processing (and reprocessing) must omit the days of Jan 7 and 8, 1998. These days have the deep space calibration maneuvers which are not normal Earth viewing data.

**TRMM-PFM: Validation Days in 1998 {Jan./5,12,19,26/, Apr./6,13,20,27/, July/6,13,20,27/, Oct./5,12,19,26/}**